

Application No.: 09/775253

Case No.: 56989US005

Amendments to the Claims:

Please amend claims 4-6, 11, 15 and 18 to appear as presented in the Listing of Claims. Please cancel claims 1-3, 12-14, 16 and 17, as well as withdrawn claims 20-39 and 41. Claims 7-10, 19 and 40 remain as originally presented.

Listing of Claims

1. (Cancelled).
2. (Cancelled).
3. (Cancelled).
4. (Amended) ~~The method of claim 1 in which the step of depositing the dielectric border layer includes~~ A method of manufacturing a touch screen panel, the method comprising:
coating an insulative substrate with a resistive layer;
screen printing a lead borosilicate glass composition to form a dielectric border layer on the periphery of the resistive layer; and
applying a pattern of conductive edge electrodes to the resistive layer and applying a conductive wire trace pattern to the dielectric border layer to electrically isolate the wire trace pattern from the edge electrodes.
5. (Amended) ~~The method of claim 1 in which the step of applying the pattern of conductive edge electrodes to the resistive layer and the step of applying the conductive wire trace pattern to the dielectric border layer includes~~ A method of manufacturing a touch screen panel, the method comprising:
coating an insulative substrate with a resistive layer;
depositing a dielectric border layer on the periphery of the resistive layer; and
screen printing silver/frit paste on the resistive layer to form the an edge electrode pattern and simultaneously screen printing a silver/frit paste on the dielectric border layer to form the a wire trace pattern.

Application No.: 09/775253

Case No.: 56989US005

6. (Amended) ~~The method of claim 1 further including the step of~~ A method of manufacturing a touch screen panel, the method comprising:
coating an insulative substrate with a resistive layer;
depositing a dielectric border layer on the periphery of the resistive layer;
applying a pattern of conductive edge electrodes to the resistive layer and applying
a conductive wire trace pattern to the dielectric border layer to electrically isolate the wire trace
pattern from the edge electrodes; and
applying a protective border layer over the edge electrodes and the wire traces.
7. (Original) The method of claim 6 in which the step of applying the protective border layer includes screen printing an insulative composition over the edge electrodes and the wire traces.
8. (Original) The method of claim 7 in which the insulative composition is a lead borosilicate glass composition.
9. (Original) The method of claim 6 further including the step of firing the applied edge electrodes, the wire traces, the dielectric border layer, and the protective border layer.
10. (Original) The method of claim 9 in which firing includes subjecting the panel to an elevated temperature in a first period of time to burn off any organic material and a dwell period at the elevated temperature to cure the electrodes and wire trace materials and to fuse the border layer materials.
11. (Amended) The method of claim 10 in which the elevated temperature is between 500°C-525°C, the first time period is ~~approximately~~ 5 minutes and the dwell period is ~~approximately~~ 2-3 minutes.
12. (Cancelled).

Application No.: 09/775253

Case No.: 56989US005

13. (Cancelled).
14. (Cancelled).
15. (Amended). ~~The A touch screen panel of claim 12 in which the dielectric border layer is comprising:~~
a substrate with a resistive layer deposited on one surface thereof;
a dielectric border layer formed from a lead borosilicate glass composition on the periphery of the resistive layer;
a conductive wire trace pattern on the dielectric border layer; and
a pattern of conductive edge electrodes on the resistive layer.
16. (Cancelled).
17. (Cancelled).
18. (Amended). ~~The A touch screen panel of claim 12 further including comprising:~~
a substrate with a resistive layer deposited on one surface thereof;
a dielectric border layer on the periphery of the resistive layer;
a conductive wire trace pattern on the dielectric border layer;
a pattern of conductive edge electrodes on the resistive layer; and
a protective border layer over the edge electrodes and the wire traces.
19. (Original) The touch screen panel of claim 18 in which the protective border layer is formed from a lead borosilicate glass composition.
20. (Withdrawn and cancelled).
21. (Withdrawn and cancelled).

Application No.: 09/775253

Case No.: 56989US005

- 22. (Withdrawn and cancelled).
- 23. (Withdrawn and cancelled).
- 24. (Withdrawn and cancelled).
- 25. (Withdrawn and cancelled).
- 26. (Withdrawn and cancelled).
- 27. (Withdrawn and cancelled).
- 28. (Withdrawn and cancelled).
- 29. (Withdrawn and cancelled).
- 30. (Withdrawn and cancelled).
- 31. (Withdrawn and cancelled).
- 32. (Withdrawn and cancelled).
- 33. (Withdrawn and cancelled).
- 34. (Withdrawn and cancelled).
- 35. (Withdrawn and cancelled).
- 36. (Withdrawn and cancelled).

Application No.: 09/775253

Case No.: 56989US005

37. (Withdrawn and cancelled).

38. (Withdrawn and cancelled).

39. (Withdrawn and cancelled).

40. (Original) A method of manufacturing a touch screen panel, the method comprising:

coating an insulative substrate with a resistive layer;

depositing a dielectric border layer on the periphery of the resistive layer;

applying a pattern of conductive edge electrodes to the resistive layer and applying a conductive wire trace pattern to the dielectric border layer to electrically isolate the wire trace pattern from the electrodes;

depositing a protective border layer over the edge electrodes and the wire traces to protect them; and

co-firing the wire trace pattern, the edge electrodes, the dielectric border layer, and the protective layer all at the same time.

41. (Withdrawn and cancelled).